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(21) International Application Number: PCT/US00/01032 (22) International Filing Date: 14 January 2000 (14.01.00) (30) Priority Data: 60/116,835 22 January 1999 (22.01.99) US <i>22 Jan 99</i> (71) Applicant (for all designated States except US): THE GOVERNMENT OF THE UNITED STATES OF AMERICA, as represented by THE SECRETARY OF THE DEPARTMENT OF HEALTH AND HUMAN SERVICES [US/US]; Centers for Disease Control and Prevention, 255 East Paces Ferry Road, N.E. Room 500, Atlanta, GA 30333 (US). (72) Inventors; and (75) Inventors/Applicants (for US only): TRIPP , Ralph, A. [US/US]; 759 N. Superior Avenue, Decatur, GA 30033 (US). ANDERSON , Larry, J. [US/US]; 2076 Continental Drive, Atlanta, GA 30345 (US). MOORE , Deborah, D. [US/US]; 3480 Sheridan Chase, Marietta, GA 30067 (US). (74) Agents: SAMPLES, Kenneth, H. et al.; Fitch, Even, Tabin & Flannery, Suite 1600, 120 South LaSalle Street, Chicago, IL 60603-3406 (US).		(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published <i>With international search report.</i> <i>Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i>
(54) Title: METHODS FOR THE PREVENTION AND TREATMENT OF DISEASES CAUSED BY AN INFLAMMATORY RESPONSE MEDIATED BY ENDOGENOUS SUBSTANCE P BY USING ANTI-SUBSTANCE P ANTIBODIES		
(57) Abstract <p>The present invention provides methods for preventing or treating a disease in a subject which is caused by an inflammatory response to a disease or syndrome which is mediated by endogenous substance P. These methods comprise the administration to the subject of a pharmaceutically-effective amount of anti-substance P antibodies, or anti-substance P antibody fragments, such as F(ab)₂ fragments, thereby inhibiting the activity of endogenous substance P in the subject. By inhibiting the activity of endogenous substance P in the subject, the levels of cytokines produced by T lymphocytes present in the subject are reduced, the signals which direct the inflammatory response to the infection become altered, and the amount of cytokine-induced inflammation becomes reduced. Respiratory syncytial virus is one example of an agent which causes an infection which often results in a disease caused by an inflammatory response to the infection mediated by endogenous substance P. Generally, from about 0.001 mg to about 10 g of anti-substance P antibodies, or anti-substance P antibody fragments, per kilogram of body weight per day are administered to a mammalian subject, with from about 1 mg to about 1000 mg of anti-substance P antibodies, or anti-substance P antibody fragments, per kilogram of body weight per day being preferred.</p>		